

## ABSTRACT

The present invention provides an abrasive which can attain a sufficient retention force in a resinoid grinding wheel even in the case of a small grain size. The abrasive is produced by bonding plural abrasive grains coated with a metal layer by a metal. The metal layer is made of the metal selected from the group consisting of nickel, nickel-phosphorus, cobalt, cobalt-phosphorus, titanium, copper, chromium, iron, zirconium, niobium, molybdenum and tantalum. Also the abrasive grains are made of at least one selected from the group consisting of hard substances such as cubic boron nitride, diamond, alumina and silicon carbide, each having an average grain size within a range from 0.5 to 300  $\mu\text{m}$ .